

# 35 kg 11 Years Old

# Emergency Drug Dosing

| Emergency Drug   | Dose in mL        | Dose          | Dose Range (in mg/grams per kg)   | Notes   |
|--|-------------------|---------------|---|---|
| adenosine 3 mg/mL  | <b>1.17 mL</b>    | 3.5 mg        | 0.1 mg/kg IVP (Max 6 mg for 1st dose)   | Second dose is double the first (max 12 mg)       |
| albuterol 2.5 mg in 3 mL   | <b>6 mL</b>       | 5.0 mg        | <30kg: 2.5 mg; >30 kg: 5 mg   | Repeat every 20 minutes X3. Then, call physician. |
| amiodarone 50 mg/mL ampules*   | <b>116.66 mL</b>  | 175 mg        | 3.33 mL/kg of the 1.5 mg/mL dilution*   | 5 mg/kg IVP. Maximum: 300 mg /dose                |
| *dilute amiodarone 150 mg (3 mL of 50 mg/mL) in 100 mL normal saline for 100 mL of a 1.5 mg/mL dilution for infusion |                   |               |   |   |
| atropine 0.1 mg/mL   | <b>7 mL</b>       | 0.7 mg        | 0.02 mg/kg/dose IV  | Min: 0.1 mg/dose; Max: 1 mg/dose = 10 mL          |
| dextrose (D25W) 250 mg/mL  | <b>70 mL</b>      | 17.5 g        | 0.5 grams/kg  | D25%W = D50%W : Sterile Water 1:1                 |
| diphenhydramine 50 mg/mL   | <b>0.7 mL</b>     | 35 mg         | 1 mg/kg IV  | Max: 50 mg/dose                                   |
| diazepam 5 mg/mL   | <b>0.7 mL</b>     | 3.5 mg        | 0.1 mg/kg/dose IV. Max: 10 mg/dose  | CALL PHYSICIAN BEFORE GIVING                      |
| diazepam rectal gel 5 mg/mL  | <b>3 mL</b>       | 15 mg         | Max: 20 mg/dose   | CALL PHYSICIAN BEFORE GIVING                      |
| epinephrine 1:10,000   | <b>3.5 mL</b>     | 0.35 mg       | 0.01 mg/kg IV/IO every 3 - 5 minutes  | Maximum: 1 mg/dose = 10 mL                        |
| epinephrine 1:1,000 (ETT / HIGH DOSE)  | <b>3.5 mL</b>     | 3.50 mg       | 0.1 mg/kg ETT. (Max 10 mg) 0.1 mg/kg IV may be considered if standard doses ineffective |   |
| epinephrine 1:1,000 (SUBCUTANEOUS)   | <b>0.35 mL</b>    | 0.35 mg       | 0.01 mg/kg/dose SC  | for anaphylaxis (max 0.5 mg = 0.5 mL)             |
| lidocaine 1% 10 mg/mL  | <b>3.5 mL</b>     | 35.0 mg       | 1 mg/kg IV/ET   |   |
| morphine 10 mg/mL  | <b>0.35 mL</b>    | 3.50 mg       | 0.1 mg/kg/dose IV. Max: 5 mg/dose   | CALL PHYSICIAN BEFORE GIVING                      |
| naloxone 1 mg/mL   | <b>2 mL</b>       | 2.00 mg       | 0.1 mg/kg IV/ET   | Maximum 2 mg/dose = 2 mL                          |
| sodium bicarbonate 8.4% (1 mEq/mL)   | <b>35 - 70 mL</b> | 35.0 - 70 mEq | 1 - 2 mEq/kg IV   | Maximum: 100 mEq/dose = 100 mL                    |
| Sodium Chloride (0.9% NaCl)  | <b>700 mL</b>     |               | 20 mL/kg  |   |

| Intubation Equipment             | Size         |
|----------------------------------|--------------|
| Laryngoscope Blade Size (Miller) | <b>3</b>     |
| Endotracheal Tube Size           | <b>6.0 C</b> |

| Defibrillation                    | Joules     |
|-----------------------------------|------------|
| First attempt (2 joules/kg)       | <b>70</b>  |
| Second attempt (3 joules/kg)      | <b>105</b> |
| Subsequent attempts (4 joules/kg) | <b>140</b> |

| Synchronized Cardioversion       | Joules    |
|----------------------------------|-----------|
| First attempt (0.5 joules/kg)    | <b>18</b> |
| Subsequent attempts (1 joule/kg) | <b>35</b> |

**CCHMC StatLine: (513) 636-8008**

**EMSC Education: (513) 636-6992**

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| Dopamine Infusion        | Dopamine 240 mg in 100 mL    |
|--------------------------|------------------------------|
| concentration in mg/mL = | <b>2.4</b>                   |
| <b>Dose</b>              | <b>Infusion Rate (mL/hr)</b> |
| 5 mcg/kg/min             | 4.4                          |
| 10 mcg/kg/min            | 8.8                          |
| 15 mcg/kg/min            | 13.1                         |
| 20 mcg/kg/min            | 17.5                         |

| Lidocaine Infusion       | Lidocaine 800 mg in 100 mL   |
|--------------------------|------------------------------|
| concentration in mg/mL = | <b>8</b>                     |
| <b>Dose</b>              | <b>Infusion Rate (mL/hr)</b> |
| 10 mcg/kg/min            | 2.6                          |
| 20 mcg/kg/min            | 5.3                          |
| 30 mcg/kg/min            | 7.9                          |
| 40 mcg/kg/min            | 10.5                         |
| 50 mcg/kg/min            | 13.1                         |